OCUMENT NO.

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#### THE DEFENDES OF THE SOVIET GEBIT

- I. In building up Soviet military might the leaders of the Kremlin have built powerful defenses besides threatening the free world with effensive potential.
  - A. Recause of the threat of strategic bombing, the Soviet Union has directed a large proportion of its military effort since World War II toward developing an effective air defense system.
  - B. At the same time Sowet ground forces have been maintained in a high state of readiness and are deployed either for personables offensive or defensive operations.
  - C. Significant efforts have been made to mederaise and strengthen the Soviet navy but its capabilities are still inferior to those of the army and the air force.

### II. Structure of the Soviet Air Defense System

- A. The Soviet air defense system is controlled by the Hisistry of Defense through the PVC Strany (Air Defense of the Homeland) and the armed services and their taction! commands.
  - 1. These two oftes overlap.
  - 5. In European Russia, however, the PVC Strany has primary responsibility with personnel and equipment actually assigned by the armed services.
  - 3. In occupied areas outside the Soviet Union and in outlying portions such as the Soviet Far East, the tactical commanders have sole responsibility.

### B. The PVO Strasy:

- 1. In the PVO Strany and directly under the control of its chief are:
  - a. a warning and control organisation,
  - b. aviation of fighter defense,
  - c. asti-sircraft artillery.
- 2. The chief of the PVO Strany is also responsible for coordinating the air defense policies of the army, the navy, the air forces and the Ministry of Interior.
- 3. In carrying out his mission of providing air defense of the homoland, the whief of the PVO Strany may use all military, police and civil forces.
- 4. The chief is traditionally a high ranking artillery officer.
- C. Tactical Commands.

Each tactical commander is responsible for air defense of his command. The functions of the tactical commander in air defense missions is the same as that of the PVO commander.

# III. Air Tarning and Control Machinery

A. Regional organization.

As evolving through successive reorganizations the PVC regions correspond closely to the army's military districts.

	2.	The main	eir c	ofense	control	center	is 1	ocated	io	
		Moscow.								
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		believed	to be	avalla	ble to	the Boyl	et B	loe; ti	i e	
		VAUL BAJO	rity	of thes	e are o	carly	var a	ing typ	•	
		but since	the	istrodu	ction of	Token	or T	-Sean		

equipment is Cotober 1951 there has been a significant

improvement is ground-control intercept capabilities

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throughout the Soviet Orbit.

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4. Ender coverage along the North Siberian Coast and the Central Asian frontiers to unknown.

". Important interior areas, notably Moscow, are ringed by additional air varning sets.

7. The radar notwork is supplemented by a system of visual observers.

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## IV. Parter Defenses

## A. Pineseth

- 1. A total of 12,850 fighter alreraft are currently estimated to be available for air defense in the Soviet Crbit. Over 11,000 of these are jet type.
- 2. Fighter Aviation of Air Defense, the air component of the DVO Strany, has 3,170 jet fighters and 300 piston-drives type.
- 3. The fighter elements of the testical air armies and floot air forces have 6,830 fighter planes of which 8780 are jets.
- 4. The East European Satellite air forces, whose organization shows a heavy emphasis in flighter units,

have 800 jet fighters and 240 pistos aircraft.

5. Communist Air Forces in the Chima-Manchuria-Koroa area have 1660 fighter aircraft. Of these, 1420 are jet planes. Many of these pilots are veterans of the Korean air war.

### B. Equipment

- 1. Large scale production of MIG-15 aircraft has enabled the Seviet Union
  - a. to equip most of its fighter waits with jet aircraft,
  - to equip the Chinese and North Keream air forces with jet fighters and
  - e. to keep up with lesses in the Korean air war, and
  - d. to provide a large number of jet fighters to the Kast Suropean Satullite air forces.
- 2. Replacement of the MIG-15 by an improved jet fighter began in August 1952 and has been taking place throughout the Soviet Union since then and may have recently been initiated by Soviet units in Germany and Austria.

### C. Coordination of fighter defense

Seviet capabilities to deal with major raids against key targets in the European area have been improved by the establishment of procedures for the coordination of fighter aircraft from the PVD Strany with those of the many and air force tactical armies within the USSE and

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	between the tactical air units and the various Satellite	_
	fighter waits in Enstern Europe.	_
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str	stogic enti-eircraft artillery with heavy, medium, and	
Str	stegic anti-aircraft artillery with beavy, medium, and ht gone, radar, searchlights, and barrage ballooms in an	
Str	stogic enti-eircraft artillery with heavy, medium, and	
Str	ategic anti-sircraft artillery with heavy, medium, and ht gone, radar, searchlights, and harrage ballooms is as ogral part of the PVG Strany;	

- 2. Units employing Ai rockets or guided missiles may also be available:
- 3. Field armies and navy installations have separate tactical anti-aircraft artillery.

# VI. Air Defense Deficiencies

moviet leaders probably believe that their air defenses have not attained an acceptable level of proficiency.

A. The principal elements of weakness are:

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- i. Lack of a suitable aircraft for all-seather wight interception;
- 2. Lack of operational airborne intercept radar; and limited experience of the mm majority of fighter units is this field;

3.	Primary	reliance	on los	<i>troquency</i>	radar	which	is
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## VII. Soviet Land and Sea Defenses

A. Orbit Ground Forces

Prior to the development of strategic bombing, defense of European Russia called for primary reliance on large ground forces, seemingly imembauetible manpower, and utilization of vast space for maneuvers to exhaust the attacker and render him vulnerable to counter-attack. Soviet land defenses continue to depend in large measure on these factors.

- 1. Soviet Maspover:
  - (a) Soviet ground forces have a peace time strength of two and a half million men;
  - (b) Within 30 days after E-Day those forces could be expanded to \$.750,000.

### 2. Satellite Maspover;

(a) The European Satellite countries whose military potential has been built up significantly mince early 1950 have a total standing army atreagth of 1,206,000 which could be built up to 2,800,000 by M \$ 30;

#### 3. Dispositions:

#### (a) Forward areas:

- (1) With the collapse of Germany in World

  War II Soviet land defenses were advanced

  some 500 miles westward providing a

  buffer some extending from the Baltic to

  the Black Sea;
- (2) A force of 22 line divisions supported by a powerful tactical air force is concentrated in Seviet occupied Germany astride the principal north European plain which is the principal military route between Western Europe and the Seviet Union:
- (3) Satellite armies are capable of limited operations in support of a Soviet offensive but in defensive actions might prove un-reliable:
- (4) Some 180 line divisions are deployed in the Soviet Union, with major concentrations in the western USSR, the Caucasus and the Soviet Far East. Some forces are deployed

around key areas in other parts of the Soviet Union.

- (5) 400,000 well-equipped troops of the Sinistry of Interior guard the Soviet Union's extensive borders and are available for defeasive operations.
- B. Soviet orbit mavel forces:
  - Aside from a potentially dangerous long-range submarine force, Soviet naval capabilities are largely limited to waters close to home bases.
  - 2. Construction of a number of excellent cruisers and a large number od destroyers in recent years have contributed significantly to development of a very modern surface fleet.
  - 3. Fleet exercises have streemed defense of key naval installations against amphibious attack.
  - 4. Satellite mayal strength is of negligible significance.